Recombinant Human BMP7

Cat No:HR2R1202

For research use only

Overview

Quantity	10 ?g
Gene Symbol	BMP7
Gene ID	655
Accession	P18075
Alternative Name	Osteogenic protein 1, OP-1, INN=Eptotermin alfa, BMP7 Recombinant Human Bone Morphogenetic Protein 7 (BMP7)
Species	Human
Source	E. coli
Description	BMP-7(osteogenic protein- 1) is produced in the kidney and in the nervous system. It is produced also by human fetal trophoblasts in vivo and may be involved in the regulation of the synthesis of chorionic gonadotropin and progesterone by trophoblasts. BMP7 induces new bone growth, and forms heterodimers with BMP2A. The factor is a member of the TGF family of proteins.
Functions	Not available.
Formulation	Recombinant BMP-7 was lyophilized from a 0.2 ?m filtered PBS solution pH 7.4.
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	17
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.